

**Notice of Allowability**

Application No.

10/020,524

Applicant(s)

KOELLE ET AL.

Examiner

Art Unit

Ronald Baum

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/29/2006.
2. ☒ The allowed claim(s) is/are 1-28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

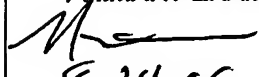
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

**NASSER MOAZZAMI**  
**PRIMARY EXAMINER**

  
8/24/06

## DETAILED ACTION

### *Examiner's Statement of Reasons for Allowance*

1. Claims 1-28 are allowed over prior art.
2. This action is in reply to applicant's correspondence of 29 June 2006.
3. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.
4. As per claims 1,9,15,16,21,22 and 23 generally, prior art of record, Wohlgemuth et al, U.S. Patent Application publication US 2002/0087883 A1, fails to teach alone, or in combination, other than via hindsight, at the time of the invention, the features as discussed and remarked upon in the response of 6/29/2006 to office action of 4/3/2006.

Specifically, (as per claim 1, for example) prior art dealing with executable software integrity generally, and more specifically, new/malicious software in the form of system infected malware, and, unauthorized, unlicensed or pirated software per se, is generally known to exist, (i.e., Ghosh, A.K., et al, 'Execution Control Lists: An Approach to Defending Against New and Unknown Malicious Software', Citigal, 2000, entire document, <http://www.cigital.com/papers/download/ISW00.pdf>). Nowhere in the prior art is found collectively the *italicized* claim elements (i.e., the use of detection of a signature associated with a client process use of system calls, as processed/compared/stored at a server side database, further associated with the subsequent updating/evolution of the database of said detection criteria.), at the time of the invention; serving to patentably distinguish the invention from said prior art;

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“1. A method of protecting machine readable media from unauthorized storage or copying, comprising:

*sending a detector to a client process,*

wherein the detector comprises

*a sequence of different types of computer system calls;*

receiving, at the *server* a response to the detector from the client process;

*detecting, by the server a presence of an unauthorized software behavior on the client*

based upon

*a comparison between*

*the response and the detector according to*

*a matching rule that is associated with the detector sent; and*

*updating a database of detectors for*

*a previously unseen and unauthorized behavior of the process*

based in part on the response, such that

*the database of detectors evolves over time.”.*

5. Dependent claims 2-8,10-14,17-20,24-28 are allowable by virtue of their dependencies.


*Conclusion*

6. Any inquiry concerning this communication or earlier communications from examiner should be directed to Ronald Baum, whose telephone number is (571) 272-3861, and whose unofficial Fax number is (571) 273-3861 and unofficial email is Ronald.baum@uspto.gov. The examiner can normally be reached Monday through Thursday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami, can be reached at (571) 272-4195. The Fax number for the organization where this application is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. For more information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NASSER MOAZZA, III  
PRIMARY EXAMINER

  
8, 24, 06

Ronald Baum

Patent Examiner

